

Name \_\_\_\_\_

### **Factoring Quiz**

<b>Expectation</b>	<b>Level Achieved</b>
A1 - expand and simplify quadratic expressions	

1. Factor by finding the greatest common factor

a.  $8x^2+40x$

b.  $20x^3-5x^2+100x$

2. Factor using the sum and product rule (**MAN or MAN UP**)

a.  $x^2+10x+16$

b.  $8x^2-2x-3$

3. Factor the difference of squares

a.  $x^2-9$

b.  $4x^2-36y^2$

4. Factor by **grouping**

a.  $(x+3)(x-1)+4(x-1)$

b.  $8x^3+4x^2+6x+3$

5. Factor fully

a.  $x^2-8x-20$

b.  $3x^2+21x+30$